Bruhat Bangalore Mahanagara Palike
Excecutive Engineer Yelahanka Project Division

Name of Work: Construction of Compound Wall and other developmental works at Vidyaranyapura Burial ground in ward no 10

Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
1	KSRB 2-2 : **Earthwork excavation by manual means** for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. (Page No 6, I.No.2.3)								
	For Compound								
	East	1	105.00	0.80	0.60	50.40			
	West	1	105.00	0.80	0.60	50.40			
	North	1	55.00	0.80	0.60	26.40			
	South	1	40.00	0.80	0.60	19.20			
	Debris	1	40.00	10.00	0.40	160.00			
	Entrance Pillars	4	0.80	0.80	1.00	2.56			
	For Pathway								
	North	1	60.00	1.80	0.30	32.40			
	East	1	74.00	1.80	0.30	39.96			
	West	1	80.00	1.80	0.30	43.20			
	Sump	1	2.80	2.80	2.40	18.82			
	Toilet1								
		2	3.20	0.80	0.80	4.10			
		2	4.70	0.80	0.80	6.02			
		1	2.70	0.80	0.80	1.73			
		2	1.50	0.80	0.80	1.92			
	Toilet2								
		2	3.50	0.80	0.80	4.48			
		2	4.90	0.80	0.80	6.27			
		1	2.90	0.80	0.80	1.86			
		2	1.50	0.80	0.80	1.92			
	Toilet3								
		3	5.60	0.90	0.80	12.10			
		3	3.40	0.90	0.80	7.34			
	For Pedestal	6	1.00	1.00	1.00	6.00			
	Shed 1								
		2	10.00	0.80	0.80	12.80			
		2	7.60	0.80	0.80	9.73			
						519.59	**Cum**	**394.42**	**204937.48**
	Basic Rate Rs.=	299.00							
	Add 6% A.W Rs. =	17.94							
	Sub Total =	316.94							
	8Km Lead, Loading and Unloading =(2*1.28*8)+57	77.48							
	Total Rate Rs. =	394.42							

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
2	KSRRB M2100-10. Providing and laying **Plain cement concrete of mix 1:3:6** with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. (P.No-222,I No-27.18)								
	For Compound								
	East	1	105.00	0.80	0.15	12.60			
	West	1	105.00	0.80	0.15	12.60			
	North	1	55.00	0.80	0.15	6.60			
	South	1	40.00	0.80	0.15	4.80			
	Entrance Pillars	4	0.80	0.80	0.15	0.38			
	For Pathway								
	North	1	60.00	1.80	0.15	16.20			
	East	1	74.00	1.80	0.15	19.98			
	West	1	80.00	1.80	0.15	21.60			
	Sump	1	2.80	2.80	0.15	1.18			
	Toilet1								
		2	3.20	0.80	0.15	0.77			
		2	4.70	0.80	0.15	1.13			
		1	2.70	0.80	0.15	0.32			
		2	1.50	0.80	0.15	0.36			
	Toilet2								
		2	3.50	0.80	0.15	0.84			
		2	4.90	0.80	0.15	1.18			
		1	2.90	0.80	0.15	0.35			
		2	1.50	0.80	0.15	0.36			
	Toilet3								
		3	5.60	0.90	0.15	2.27			
		3	3.40	0.90	0.15	1.38			
	Shed 1								
		2	10.00	0.80	0.15	2.40			
		2	7.60	0.80	0.15	1.82			
	For Pedestal	6	1.00	1.00	0.15	0.90			
	Surround T3	2	7.00	0.70	0.15	1.47			
		2	3.40	0.70	0.15	0.71			
	Flooring								
	Toilet1								
		1	3.00	4.50	0.15	2.03			
	Toilet2								
		1	3.30	4.70	0.15	2.33			
	Toilet3								
		1	5.60	3.40	0.15	2.86			
	Shed 1								
		1	7.20	10.20	0.15	11.02			
						130.42	**Cum**	**5421.90**	**707126.91**
	Basic Rate Rs.=	5115.00							
	Add 6% A.W Rs. =	306.90							
	Total Rate Rs. =	**5421.90**							

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
3	KSRB 5.2-3 : Providing and **constructing granite / trap / basalt size stone masonry** in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (Page No 25., I.No.5.6).								
	For Compound								
	East	1	105.00	0.60	0.40	25.20			
	West	1	105.00	0.60	0.40	25.20			
	North	1	55.00	0.60	0.40	13.20			
	South	1	40.00	0.60	0.40	9.60			
	Toilet1								
		2	3.20	0.60	0.40	1.54			
		2	4.70	0.60	0.40	2.26			
		1	2.70	0.60	0.40	0.65			
		2	1.50	0.60	0.40	0.72			
	Toilet2								
		2	3.50	0.60	0.40	1.68			
		2	4.90	0.60	0.40	2.35			
		1	2.90	0.60	0.40	0.70			
		2	1.50	0.60	0.40	0.72			
	Toilet3								
		3	5.60	0.75	0.40	5.04			
		3	3.40	0.75	0.40	3.06			
	Shed 1								
		2	10.00	0.60	0.40	4.80			
		2	7.60	0.60	0.40	3.65			
	2nd step								
	For Compound								
	East	1	105.00	0.45	0.40	18.90			
	West	1	105.00	0.45	0.40	18.90			
	North	1	55.00	0.45	0.40	9.90			
	South	1	40.00	0.45	0.40	7.20			
	Toilet1								
		2	3.20	0.45	0.40	1.15			
		2	4.70	0.45	0.40	1.69			
		1	2.70	0.45	0.40	0.49			
		2	1.50	0.45	0.40	0.54			
	Toilet2								
		2	3.50	0.45	0.40	1.26			
		2	4.90	0.45	0.40	1.76			
		1	2.90	0.45	0.40	0.52			
		2	1.50	0.45	0.40	0.54			
	Toilet3								
		3	5.60	0.60	0.40	4.03			
		3	3.40	0.60	0.40	2.45			
	Shed 1								
		2	10.00	0.45	0.40	3.60			
		2	7.60	0.45	0.40	2.74			
	Toilet3								
		3	5.60	0.45	0.40	3.02			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		3	3.40	0.45	0.40	1.84			
						180.89	**Cum**	**4871.76**	**881242.92**
	Basic Rate Rs.=	4596.00							
	Add 6% A.W Rs. =	275.76							
	Total Rate Rs. =	**4871.76**							
4	KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of Mix 1:2:4** with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2. (P.No-13,I No-4.6)								
	For Compound Coping								
	East	1	105.00	0.45	0.10	4.73			
	West	1	105.00	0.45	0.10	4.73			
	North	1	55.00	0.45	0.10	2.48			
	South	1	40.00	0.45	0.10	1.80			
	For Compound Wall Coping								
	East	2	105.00	0.15	0.075	2.36			
	West	2	105.00	0.15	0.075	2.36			
	North	2	55.00	0.15	0.075	1.24			
	South	2	40.00	0.15	0.075	0.90			
	For Pathway								
	North	1	60.00	0.20	0.10	1.20			
	East	1	74.00	0.20	0.10	1.48			
	West	1	80.00	0.20	0.10	1.60			
	Toilet1								
		2	3.20	0.45	0.10	0.29			
		2	4.70	0.45	0.10	0.42			
		1	2.70	0.45	0.10	0.12			
		2	1.50	0.45	0.10	0.14			
	Toilet2								
		2	3.50	0.45	0.10	0.32			
		2	4.90	0.45	0.10	0.44			
		1	2.90	0.45	0.10	0.13			
		2	1.50	0.45	0.10	0.14			
	Toilet3								
		3	5.60	0.45	0.10	0.76			
		3	3.40	0.45	0.10	0.46			
	Shed 1								
		2	10.00	0.45	0.10	0.90			
		2	7.60	0.45	0.10	0.68			
	Surround T3	2	7.00	0.70	0.15	1.47			
		2	3.40	0.70	0.15	0.71			
	For Flagging Course P.C.C								
	Ward-10								
	1st cross road	4	119.00	0.15	0.10	7.14			
	cross road near masadi	4	133.00	0.15	0.10	7.98			
	2nd cross road	4	150.00	0.15	0.10	9.00			
	3rd cross road	4	160.00	0.15	0.10	9.60			
	For Flagging Course Coping								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Ward-10								
	1st cross road	4	119.00	0.15	0.075	5.36			
	cross road near masadi	4	133.00	0.15	0.075	5.99			
	2nd cross road	4	150.00	0.15	0.075	6.75			
	3rd cross road	4	160.00	0.15	0.075	7.20			
						90.85	**Cum**	**5747.32**	**522141.15**
	Basic Rate Rs.=	5422.00							
	Add 6% A.W Rs. =	325.32							
	Total Rate Rs. =	**5747.32**							
5	KSRB 5-14: Providing and constructing load bearing wall with solid oncrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. KBS No.5.4, with solid concrete blocks of size 400x150x200mm (P.No-27,I No-5.26.2)								
	For Compound Coping								
	East	1	105.00		2.10	220.50			
	West	1	105.00		2.40	252.00			
	North	1	55.00		2.80	154.00			
	South	1	40.00		2.10	84.00			
	Sump	4	2.50		2.20	22.00			
	Toilet1								
		2	3.20		3.00	19.20			
		2	4.70		3.00	28.20			
		1	2.70		3.00	8.10			
		2	1.50		3.00	9.00			
	Deductions								
	D	-1	0.90		2.10	-1.89			
	D1	-2	0.75		2.10	-3.15			
	Ventilators	-6	0.45		0.45	-1.22			
	Toilet2								
		2	3.50		3.00	21.00			
		2	4.90		3.00	29.40			
		1	2.90		3.00	8.70			
		2	1.50		3.00	9.00			
	Deductions								
	D	-1	0.90		2.10	-1.89			
	D1	-2	0.75		2.10	-3.15			
	Ventilators	-6	0.45		0.45	-1.22			
	Toilet3								
		3	5.60		3.00	50.40			
		3	3.40		3.00	30.60			
	Deductions								
	D	-2	0.90		2.10	-3.78			
	D1	-4	0.75		2.10	-6.30			
	Ventilators	-4	0.45		0.45	-0.81			
	Shed 1								
		2	10.00		4.00	80.00			
		2	7.60		4.00	60.80			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Deductions								
	Rolling Shutter	-1	2.10		2.10	-4.41			
	Windows	-4	1.50		1.00	-6.00			
	For Flagging Course Coping								
	Ward-10								
	1st cross road	4	119.00		0.20	95.20			
	cross road near masadi	4	133.00		0.20	106.40			
	2nd cross road	4	150.00		0.20	120.00			
	3rd cross road	4	160.00		0.20	128.00			
						1502.69	**Sqm**	**979.44**	**1471794.69**
	Basic Rate Rs.=	924.00							
	Add 6% A.W Rs. =	55.44							
	Total Rate Rs. =	**979.44**							
6	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM curing, complete but excluding cost of reinforcement as per specifications. (P.No-14,I No-4.11)								
	Entrance Pillars								
	Foundation	4	0.60	0.60	0.75	1.08			
	Column	4	0.30	0.30	3.50	1.26			
	Beam	2	4.10	0.30	0.50	1.23			
	Sump	1	2.60	2.60	0.15	1.01			
		1	2.50	2.50	0.15	0.94			
	Opening	-1	0.50	0.50	0.15	-0.04			
	For Pedestal	6	0.80	0.80	1.00	3.84			
	Roof								
	Toilet1								
		1	3.00	4.50	0.15	2.03			
	Toilet2								
		1	3.30	4.70	0.15	2.33			
						13.68	**Cum**	**5998.54**	**82033.03**
	Basic Rate Rs.=	5659.00							
	Add 6% A.W Rs. =	339.54							
	Total Rate Rs. =	**5998.54**							
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 (P.No-18,I No-4.46.2)								
	conside 100kg/cum	1	13.68	0.10		1.37			
						1.37	**Ton**	**75223.96**	**102872.53**
	Basic Rate Rs.=	70966.00							
	Add 6% A.W Rs. =	4257.96							
	Total Rate Rs. =	**75223.96**							

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
8	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-116,I No-15.16) cement mortar 1:4								
	For Compound Coping								
	East								
	West	2	105.00		2.10	441.00			
	North	2	105.00		2.40	504.00			
	South	2	55.00		2.80	308.00			
	Column	2	40.00		2.10	168.00			
	Beam	16	0.30		3.50	16.80			
	Sump	8	4.10		0.35	11.48			
		4	2.50		2.20	22.00			
						1471.28			
	Deduct 40% due to adjacent property wall					-588.51			
	Toilet1								
		2	3.20		3.00	19.20			
		2	4.70		3.00	28.20			
	Deductions								
	D	-1	0.90		2.10	-1.89			
	Ventilators	-6	0.45		0.45	-1.22			
	Toilet2								
		2	3.50		3.00	21.00			
		2	4.90		3.00	29.40			
	Deductions								
	D	-1	0.90		2.10	-1.89			
	Ventilators	-6	0.45		0.45	-1.22			
	Toilet3								
		2	5.60		3.00	33.60			
		2	3.40		3.00	20.40			
	Deductions								
	D	-2	0.90		2.10	-3.78			
	Ventilators	-8	0.45		0.45	-1.62			
	Shed 1								
		2	10.00		4.00	80.00			
		2	7.60		4.00	60.80			
	Deductions								
	Rolling Shutter	-1	2.10		2.10	-4.41			
	Windows	-4	1.50		1.00	-6.00			
						1153.35	**Sqm**	**276.66**	**319085.26**
	Basic Rate Rs.=	261.00							
	Add 6% A.W Rs. =	15.66							
	Total Rate Rs. =	**276.66**							
9	KSRB15-3 : Providing 15mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-115,I No-15.13) cement mortar 1:4								
	Toilet1								
		2	3.20		3.00	19.20			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
		2	4.70		3.00	28.20			
		2	2.70		3.00	16.20			
		4	1.50		3.00	18.00			
	Deductions								
	D								
	D1	-1	0.90		2.10	-1.89			
	Ventilators	-4	0.75		2.10	-6.30			
	Vetrified tiles	-6	0.45		0.45	-1.22			
		-2	3.20		2.10	-13.44			
	Toilet2	-2	4.70		2.10	-19.74			
		2	3.50		3.00	21.00			
		2	4.90		3.00	29.40			
		2	2.90		3.00	17.40			
	Deductions	4	1.50		3.00	18.00			
	D								
	D1	-1	0.90		2.10	-1.89			
	Ventilators	-4	0.75		2.10	-6.30			
	Vetrified tiles	-6	0.45		0.45	-1.22			
		-2	3.50		2.10	-14.70			
	Toilet3	-2	4.90		2.10	-20.58			
		4	5.60		0.90	20.16			
	Deductions	4	3.40		0.90	12.24			
	Ventilators								
	Shed 1	-8	0.45		0.45	-1.62			
		2	10.00		4.00	80.00			
		2	7.60		4.00	60.80			
	Deductions								
	Rolling Shutter	-1	2.10		2.10	-4.41			
	Windows	-4	1.50		1.00	-6.00			
						241.30	**Sqm**	**234.26**	**56526.94**
	Basic Rate Rs.=	221.00							
	Add 6% A.W Rs. =	13.26							
	Total Rate Rs. =	**234.26**							
10	KSRB 15.3 : Providing 12mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. (P.No-115,I No-15.10) cement mortar 1:4								
	Toilet1								
		1	3.70		5.20	19.24			
	Toilet2								
		1	4.10		5.50	22.55			
						41.79	**Sqm**	**216.24**	**9036.67**
	Basic Rate Rs.=	204.00							
	Add 6% A.W Rs. =	12.24							
	Total Rate Rs. =	**216.24**							

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
11	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after throughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (P.No-120,I No-5.53.1)								
	For Compound Coping								
	East	2	105.00		2.10	441.00			
	West	2	105.00		2.40	504.00			
	North	2	55.00		2.80	308.00			
	South	2	40.00		2.10	168.00			
	Column	16	0.30		3.50	16.80			
	Beam	8	4.10		0.35	11.48			
						1449.28			
	Deduct 40% due to adjacent property wall					-579.71			
	Toilet1								
		2	3.20		3.00	19.20			
		2	4.70		3.00	28.20			
	Deductions								
	D	-1	0.90		2.10	-1.89			
	Ventilators	-6	0.45		0.45	-1.22			
	Toilet2								
		2	3.50		3.00	21.00			
		2	4.90		3.00	29.40			
	Deductions								
	D	-1	0.90		2.10	-1.89			
	Ventilators	-6	0.45		0.45	-1.22			
	Toilet3								
		2	5.60		3.00	33.60			
		2	3.40		3.00	20.40			
	Deductions								
	D	-2	0.90		2.10	-3.78			
	Ventilators	-8	0.45		0.45	-1.62			
	Shed 1								
		2	10.00		4.00	80.00			
		2	7.60		4.00	60.80			
	Deductions								
	Rolling Shutter	-1	2.10		2.10	-4.41			
	Windows	-4	1.50		1.00	-6.00			
						1140.15	**Sqm**	**94.34**	**107561.56**
	Basic Rate Rs.=	89.00							
	Add 6% A.W Rs. =	5.34							
	Total Rate Rs. =	**94.34**							

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
12	Providing and fixing M.S. Gate as per Chief Architect Drawing, using 50mm x 50mm 14 guage M.S. hollow pipe frame work bent to ornamental shape as shown in the drawing and 35mm x 6mm and 16 x 16mm Square rods for verticals alternatively spaced at 4cms c/c in two halves and 40mmx6mm M.S. flats for horizontal member and at the top cast iron spikes are provided at alternate vertical members as shown in the drawing etc., complete. All the steel surface should be thoroughly cleaned free of rust and painted with anti corrosive paint (shop paint) etc., complete. The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, with lead and lift, loading and unloading charges, etc., complete as per specification (P.No-45,I No-7.37)								
	Gate								
	North	2	3.60		2.40	17.28			
	West	2	3.50		2.40	16.80			
						34.08	**Sqm**	**3192.72**	**108807.90**
	Basic Rate Rs.=	3012.00							
	Add 6% A.W Rs. =	180.72							
	Total Rate Rs. =	**3192.72**							
13	Providing and fixing pre cast solid **cement concrete kerb stones** made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation ete.,complete. As per the direction of Engineer incharge. (P.No.27, I.No.5.30)								
	For Pathway								
	North	1	60.00			60.00			
	East	1	74.00			74.00			
	West	1	80.00			80.00			
	Flagging Course								
	Ward-10								
	1st cross road	2	119.00			238.00			
	cross road near masadi	2	133.00			266.00			
	2nd cross road	2	150.00			300.00			
	3rd cross road	2	160.00			320.00			
						1338.00			
						2973.00	**Nos**	**432.48**	**1285763.04**
	Basic Rate Rs.=	408.00							
	Add 6% A.W Rs. =	24.48							
	Total Rate Rs. =	**432.48**							
14	Painting two coats after filling the surface with **synthetic enamel paint** in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6. (P.No.180, I.No.24.1 of PW, P&IWTD SR 2018-19)								
	For Pathway								
	North	1	60.00		0.30	18.00			
	East	1	74.00		0.30	22.20			
	West	1	80.00		0.30	24.00			
	Flagging Course								
	Ward-10								
	1st cross road	2	119.00		0.30	71.40			
	cross road near masadi	2	133.00		0.30	79.80			
	2nd cross road	2	150.00		0.30	90.00			

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	3rd cross road	2	160.00		0.30	96.00			
						401.40	**Sqm**	**84.80**	**34038.72**
	Basic Rate Rs.=	80.00							
	Add 6% A.W Rs. =	4.80							
	Total Rate Rs. =	**84.80**							
15	KSRB 14.6 : Providing and laying heavy duty **cobble stones** interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBS (P.No-103,I No-14.6), **60mm thick**								
	For Pathway								
	North	1	60.00	1.80		108.00			
	East	1	74.00	1.80		133.20			
	West	1	80.00	1.80		144.00			
						385.20	**Sqm**	**1116.18**	**429952.54**
	Basic Rate Rs.=	1053.00							
	Add 6% A.W Rs. =	63.18							
	Total Rate Rs. =	**1116.18**							
16	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses.(P.No-299,I No-38.30)								
	Shed								
		1	11.00		8.00	88.00			
	Toilet3	1	5.50		7.20	39.60			
						127.60	**Sqm**	**729.28**	**93056.13**
	Basic Rate Rs.=	688.00							
	Add 6% A.W Rs. =	41.28							
	Total Rate Rs. =	**729.28**							
17	Fabricating, supplying & erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding & erection equipments, etc., complete as per specification(P.No-43,I No-7.30)								
	Shed								
		1	11.00		8.00	88.00			
	Toilet3	1	5.50		7.20	39.60			
						127.60			
	8kgs/sqm					1020.80			
	For Support					600.00			
						1620.80	**Kgs**	**135.68**	**219910.14**

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Basic Rate Rs.=	128.00							
	Add 6% A.W Rs. =	7.68							
	Total Rate Rs. =	**135.68**							
18	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.(P.No-109,I No-38.30)								
	Flooring								
	Shed								
		1	10.20		7.00	71.40			
	Toilet1								
		1	3.00		4.50	13.50			
	Toilet2								
		1	3.30		4.70	15.51			
	Toilet3								
		1	5.60		3.40	19.04			
						119.45	**Sqm**	**1097.10**	**131048.60**
	Basic Rate Rs.=	1035.00							
	Add 6% A.W Rs. =	62.10							
	Total Rate Rs. =	**1097.10**							
19	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.(P.No-108,I No-14.40)								
	Wall Dadooing								
	Toilet1								
		2	3.00		2.10	12.60			
		2	4.20		2.10	17.64			
		2	2.70		2.10	11.34			
		4	1.50		2.10	12.60			
	Deductions, D2	-4	0.75		2.10	-6.30			
	Toilet2								
		2	3.20		2.10	13.44			
		2	4.40		2.10	18.48			
		2	2.70		2.10	11.34			
		4	1.50		2.10	12.60			
	Deductions, D2	-4	0.75		2.10	-6.30			
	Toilet3								
		4	5.60		2.10	47.04			
		4	3.40		2.10	28.56			
	Deductions								
	D	-2	0.90		2.10	-3.78			
	D1	-8	0.75		2.10	-12.60			
						156.66	**Sqm**	**1238.08**	**193957.61**
	Basic Rate Rs.=	1168.00							
	Add 6% A.W Rs. =	70.08							
	Total Rate Rs. =	**1238.08**							

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
20	KSRB 7.3 : Providing and fixing 1mm thick M.S. sheet garage door with frame and diagonal braces of size 40x40x6 mm angle Iron, 3.15mm thick M.S. Gusset plates at the junctions and corners, with handles, stoppers and locking arrangements etc., including applying a priming coat of red lead paint cost of materials, labour, HOM complete as per specifications. Double leaf door of size 2.4x2.4m Specification No. KBS 7.9 / 7.12(P.No-33,I No-7.3)								
	Door, D	4	0.90		2.10	7.56			
	D2	8	0.75		2.10	12.60			
						20.16	**Sqm**	**2892.74**	**58317.64**
	Basic Rate Rs.=	2729.00							
	Add 6% A.W Rs. =	163.74							
	Total Rate Rs. =	**2892.74**							
21	KSRB 7.5 : Providing and fixing pull and push type rolling shutters of approved make out of 18 guage, 75mm wide cold rolled steel laths of convex corrugation, with side guides and bottom rail, with interlockingarrangements for steel laths by means of alternate clips, suspension shaft with High tension coil type springs two numbers, mounted on specially designed pipe shaft, ith bracket plates, guide channels, ball bearing arrangements, for inside & outside locking with push & pull operations complete including pulling hooks, 4Nos. handles with all fittings and accessories, painted with a coat of red lead paint (without top cover) cost of materials, labour, HOM complete as per specifications.(P.No-33,I No-7.5)								
	Rolling Shutter	1	2.10		2.10	4.41			
						4.41	**Sqm**	**2763.42**	**12186.68**
	Basic Rate Rs.=	2607.00							
	Add 6% A.W Rs. =	156.42							
	Total Rate Rs. =	**2763.42**							
22	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. (P.No-34,I No-7.9)								
	Shed window	4	1.50		1.00	6.00			
	Ventilators	19	0.45		0.45	3.85			
	21kg/sqm					9.85			
						9.85	**Kgs**	**100.70**	**991.64**
	Basic Rate Rs.=	95.00							
	Add 6% A.W Rs. =	5.70							
	Total Rate Rs. =	**100.70**							
23	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. With 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS (P.No-34,I No-7.10)								

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
	Shed window	4	1.50		1.00	6.00			
						6.00	**Sqm**	**4521.96**	**27131.76**
	Basic Rate Rs.=	4266.00							
	Add 6% A.W Rs. =	255.96							
	Total Rate Rs. =	**4521.96**							
24	KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) (P.No-96,I No-13.78)								
	Tank	4	0.50			2.00			
						2.00	**Nos**	**7237.68**	**14475.36**
	Basic Rate Rs.=	6828.00							
	Add 6% A.W Rs. =	409.68							
	Total Rate Rs. =	**7237.68**							
25	KSRB 11-1 : Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings andbrackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No-79,I No-12.1)								
	Toilet	4				4.00			
						4.00	**Pan**	**3716.36**	**14865.44**
	Basic Rate Rs.=	3506.00							
	Add 6% A.W Rs. =	210.36							
	Total Rate Rs. =	**3716.36**							
26	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.. (P.No-79,I No-12.5)								
	Toilet	4				4.00			
						4.00	**Each**	**5095.42**	**20381.68**
	Basic Rate Rs.=	4807.00							
	Add 6% A.W Rs. =	288.42							
	Total Rate Rs. =	**5095.42**							
27	KSRB 11-7.1 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No-80,I No-12.7)								
	Toilet	2				2.00			
						2.00	**Unit**	**3716.36**	**7432.72**
	Basic Rate Rs.=	3506.00							
	Add 6% A.W Rs. =	210.36							
	Total Rate Rs. =	**3716.36**							

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
28	KSRB 11-11.2 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. (P.No-83,I No-12.24)								
	Toilet	6				6.00			
	Basic Rate Rs.=	3506.00				**6.00**	**Unit**	**3716.36**	**22298.16**
	Add 6% A.W Rs. =	210.36							
	Total Rate Rs. =	**3716.36**							
29	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete. (internal work exposed on wall) (P.No-98,I No-13.85.4) 32mm nominal OD pipes								
	Toilet	1	300.00			300.00			
	Basic Rate Rs.=	254.00				**300.00**	**m**	**269.24**	**80772.00**
	Add 6% A.W Rs. =	15.24							
	Total Rate Rs. =	**269.24**							
30	Providing and fixing chorinated poly vinyl Chloride (CPVC) pipes conforming to IS 15778 having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings, this includes jointing of pipes and fittings with one step solvent cement, trenching, refilling & testing of joints complete. (external work). (P.No-99,I No-13.87.8) 75mm nominal OD pipes								
	Toilet	1	100.00			100.00			
	Basic Rate Rs.=	1800.00				**100.00**	**m**	**1908.00**	**190800.00**
	Add 6% A.W Rs. =	108.00							
	Total Rate Rs. =	**1908.00**							
31	(Submersible Single Phase 4 inch/100mm) for SR 2018-19 (P.No-XLII, Sl No-1) 0.5 HP, Stage 5								
		2				2.00			
	Basic Rate Rs.=	9970.00				**2.00**	**Unit**	**9970.00**	**19940.00**
32	Removing & Refixing stone slabs of drains and pointing in C.M (1:3) (Page No 27., I.No.5.33 of KPWD S.R 2018-19).								
	Basic rate	105.00							
	6% AW	6.30							
	Sub Total	111.30							
	Ward-10								
	1st cross road	2	119.00	0.90		214.20			
	cross road near masadi	2	133.00	0.90		239.40			
	2nd cross road	2	150.00	0.90		270.00			
	3rd cross road	2	160.00	0.90		288.00			
						1011.60			
	Deduct 50% damaged/missing					505.80			
						505.80	**Sqm**	**111.30**	**56,295.54**

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
33	Earthwork in execavation for foundation of structure like culverts, retaining wall etc., as per drawing and technical specification, including setting out, construction of shoring and bracing, dressing of sides and bottom, back filling with approved material, disposal of balance earth as per specification, including cost of labour, HOM etc., complete. In all kinds of soil by manual means. (P.No.256, I.No.34.15.1 of PW,P&IWTD S.R 2018-19)								
	Basic rate	180.00							
	Area weightage 6%	10.80							
	Sub total	190.80							
	Loading Unloading & Lead 5 km	**69.80**							
	Total	**260.60**							
	Desilting								
	Ward-10								
	1st cross road	2	119.00	0.60	0.60	85.68			
	cross road near masadi	2	133.00	0.60	0.60	95.76			
	2nd cross road	2	150.00	0.60	0.60	108.00			
	3rd cross road	2	160.00	0.60	0.60	115.20			
						404.64	**Cum**	**260.60**	**105449.18**
34	Providing and fixing RCC Precast cover slab of 100mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)								
	Data rate	2337.00							
	For Drain								
	Flagging Course								
	Ward-10								
	1st cross road	2	119.00	0.90		214.20			
	cross road near masadi	2	133.00	0.90		239.40			
	2nd cross road	2	150.00	0.90		270.00			
	3rd cross road	2	160.00	0.90		288.00			
						1011.60			
						505.80	**Sqm**	**2337.00**	**1182054.60**
35	Supplying heavy gauge PVC conduit pipe..... dia confirming to IS 2509 with suitable size benda, junction boxes, adhesive paste etc., and fixing using inverted wood plugs in case of RCC ceiling and RCC wall stone structure or rawl plugs in case of brick walls and cement plastering damaged portion using heavy gauge saddles at an interval of 700mm using NF screws. (ELE SR 2019-20 Page-2, Item-1.1.2)								
	b) 25mm dia 2mm thick								
	Concealed Conduit System	40				40.00			
						25.00	**m**	**65.00**	**1625.00**

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
36	Supplying..... mm dia 2mm/2.5mm thick heavy gauge PVC conduit pipe with suitable size bends, metal/PVC junction boxes adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures. run with 18SWG GI fish wire wherever necessary. (ELE SR 2019-20 Page-2, Item-1.2.2)								
	b) 25mm dia 2mm thick								
		40							
						40.00			
						25.00	**m**	**53.00**	**1325.00**
37	Supplying and fixing sheet metal box made out of 18 SWG sheet metal with necessary holes for cable/conduit entry as required with one coat of approved make etc.(ELE SR 2010-11 Page-2, Item-1.4)								
	c) 135x75x65mm	8				8.00	**each**	**95.00**	**760.00**
	d)180x90x65mm	8				8.00	**each**	**102.00**	**816.00**
	e)200x90x65mm	8				8.00	**each**	**111.00**	**888.00**
38	Supplying and fixing PVC/metal conduit accessories.(3/5) (ELE SR 2019-20 Page-3, Item-1.5.3)								
	2. Deep junction box								
	c) 32mm deep junction box	8				8.00	**each**	**60.00**	**480.00**
39	Supplying and flush mounting teak wooden box without front plank, made of not less than 12mm thick wood, after due groove cutting, necessary masonry patch work cpmplete.(ELE SR 2019-20 Page-3, Item-1.6)								
	a)12"x"12"x3" (330x300x76	8				8.00	**m**	**102.00**	**816.00**
	b)12"x9"x3" (300x228x76)	8				8.00	**m**	**86.00**	**688.00**
40	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet.(ELE SR 2019-20 Page-5, Item-2.1)								
	a) Short point up to 3Mtr from tapping point to out let via	8				8.00	**Point**	**200.00**	**1600.00**
	b) Medium point above 3Mtr up to 6Mtr from tapping point to	8				8.00	**Point**	**275.00**	**2200.00**
41	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) without control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. (ELE SR 2019-20 Page-5, Item-2.2)								
	a) Short point up to 3Mtr from tapping point to out let via switch box	8				8.00	**Point**	**160.00**	**1280.00**
	b) Medium point above 3Mtr up to 6Mtr from tapping point to out let via switch box	8				8.00	**Point**	**250.00**	**2000.00**

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Sl No	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
42	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box. (ELE SR 2019-20 Page-9, Item-3.5)								
	I.Group-A								
	e) 6Moudule	12				12.00	each	175.00	2100.00
43	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293.(ELE SR 2019-20 Page-10, Item-3.6)								
	a) 6Amps one way.	16				16.00	each	70.00	1120.00
	b) 32Amps DP switch	10				10.00	each	182.00	1820.00
	c) 6/16Amps universal socket	8				8.00	each	162.00	1296.00
44	Supplying and fixing 32Amps security and energy saving DP switch with key tag suitable to operate on 230 Volts, 50Hz AC supply & completely wired on existing box. (ELE SR 2019-20 Page-10, Item-3.7)								
	I.Using Group "A" materials	**each**							
		12				12.00	each	680.00	8160.00
45	Wiring for lighting/power circuit using one of PVC insulated 1100v grade, multistrand Copper conductor single core cable in open or concealed system of wiring. (ELE SR 2019-20 Page-7, Item-2.7)								
	a. 4 sqmm	40				40.00	m	9.00	360.00
	b. 6 sqmm	40				40.00	m	12.00	480.00
	c. 10 sqmm	40				40.00	m	17.00	680.00
46	Supplying and fixing of PVC casing and capping on the wall or ceilng using necessary materials like bends, screws at an interval of 300mm .... Etc as required. (ELE SR 2019-20 Page-3, Item-1.8)								
	a) 20mm	25				25.00	m	22.00	550.00
47	Supplying PVC/GI flexible conduit pipe....mm dia fixing on surface over inverted wooden plugs or phill plugs or rawl plugs and clamped using heavy gauge saddles at an interval of 300mm using NF screws and either end of the pipe terminated completely. (ELE SR 2019-20 Page-03, Item-1.9)								
	a) 20mm	8				8.00	Nos	22.00	176.00
48	Extra for supplying 4mm thick white plastic plate and covering for junction boxes of size 110mm conduit using necessary machine screws. (ELE SR 2019-20 Page-11, Item26)								
	b) 110mm	25				25.00	Nos	11.00	275.00
49	Supplying a 50mm wooden plug, tapered from 50x50mm to 25x25mm and fixing by using binding wire before concreting a roof slap. (ELE SR 2019-20 Page-10, Item 3.10.2)								
		25				25.00	Nos	4.00	100.00
50	Bescom Deposit	2				2.00			
						2.00	Ls	18000.00	36,000.00
								Total Construction Cost	8841881.22
								12% GST Charges	1061025.7
								PMC Charges	96,809.96

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Sl NO	Description of Items	No	Length	Width	Depth	Quantity	Unit	Rate	Amount
								Sub Total	9999716.93
								Utility Shifting, Miscellaneous, Rounding off	283.07
								GRAND TOTAL	10000000.00

Certificate

1. The workspot was inspected and works is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike limits.
3. The rates adopted based on the PWD SR,Bangalore circle for year 2018-2019, issue rates and Data Rates.

Assistant Engineer
Yelahanka Project Division
BBMP Bangalore

Asst. Executive Engineer
Yelahanka Project Division
BBMP Bangalore

Executive Engineer,
Yelahanka Project Division
BBMP Bangalore
15/6/2020

Administrative Approval

Accorded For Rs.100.00 Lakhs
Head of A/C....P2415
CER NO :....37..... Dt:06/11/2020

E.E. (Project)

Technical Sanction

Accorded For Rs 100.00 Lakhs
Head of A/C...P2415
CER NO :....89..... Dt:10.08.2020

[TA] SE (YNK)

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